

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 3+6 Drawings

|                      |                          |
|----------------------|--------------------------|
| Application Number   | 10/524,253               |
| Filing Date          | February 10, 2005        |
| First Named Inventor | Takaaki Kishigami et al. |
| Art Unit             | 3662                     |
| Examiner Name        | Shelley Chen             |
| Attorney Docket No.  | MAT-8658US               |

**ENCLOSURES (Check all that apply)**

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/Declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input checked="" type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation,<br>Change of Correspondence<br>Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication<br>to TC<br><br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply<br>Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please<br>identify below):<br>Response to Restriction Requirement;<br>Return Postcard |
|--|---|---|

**Remarks:****SIGNATURE OF APPLICANT, ATTORNEY OR AGENT**

|                  |                    |
|------------------|--------------------|
| Firm Name        | PatnerPrestia      |
| Signature        |                    |
| Printed Name     | Lawrence E. Ashery |
| Date             | January 10, 2007   |
| Registration No. | 34,515             |

**CERTIFICATE OF TRANSMISSION / MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

|                       |                  |
|-----------------------|------------------|
| Signature             |                  |
| Typed or Printed Name | Deborah Spratt   |
| Date                  | January 10, 2007 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Application No.: 10/524,253  
Response Dated: January 10, 2007  
Reply to Office Action of: December 14, 2006

MAT-8658US



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/524,253  
Applicants: Takaaki KISHIGAMI, et al.  
Filed: February 10, 2005  
Title: ADAPTIVE ANTENNA RADIO COMMUNICATION DEVICE  
TC/A.U.: 3662  
Examiner: ShelleyChen  
Confirmation No.: 4635  
Docket No.: MAT-8658US

**RESPONSE TO RESTRICTION REQUIREMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

This is in response to the Restriction Requirement stated in the Office Letter dated **December 14, 2006**.

The Examiner requires that claims of either Group I, claims 1-21, 26-29, 32, 35, 38, and 41; Group II, claims 22, 24, 30, 33, 36, 39, and 42; or Group III, claims 23, 25, 31, 34, 37, 40, and 43 be elected for prosecution. Further, if Group I is elected, one of species (A), (B), or (C) must further be elected.

Applicants elect to prosecute Group I, claims 1-21, 26-29, 32, 35, 38, and 41, drawn to an adaptive antenna radio communication device. Species (B), claims 7-11, 13, 16-17, and 20-21, where the adaptive antenna radio communication device includes a divided band direction estimating unit that has a path search unit for calculating a delay profile and estimates the direction-of-arrival based is further elected.

Application No.: 10/524,253  
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Reply to Office Action of: December 14, 2006

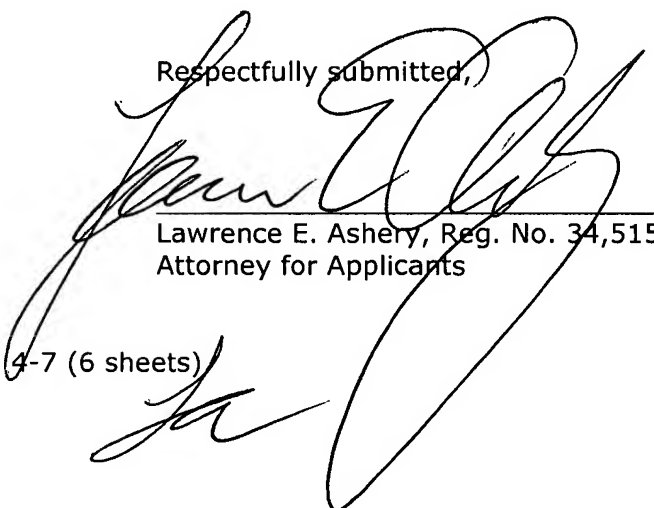


MAT-8658US

This election is made without traverse.

The Examiner requires correcting drawings sheets. The attached sheets of drawings include changes to Figures 1, 2, and 4-7. These sheets replace the original sheets.

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/ds

Attachments: Figures 1, 2, and 4-7 (6 sheets)

Dated: January 10, 2007

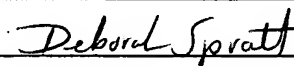
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Director is hereby authorized to charge or credit Deposit Account No. 18-0350 for any additional fees, or any underpayment or credit for overpayment in connection herewith.

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January 10, 2007

Deborah Spratt



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